

g

L1

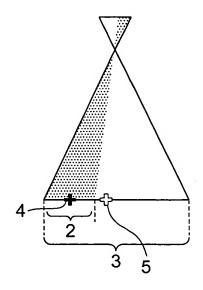
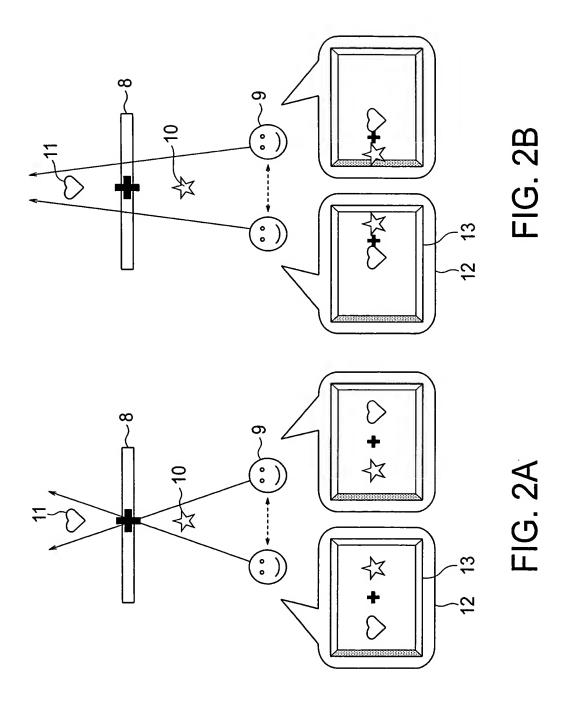


FIG. 1C



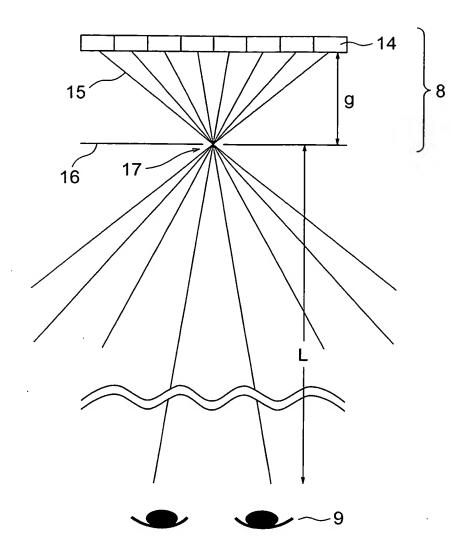


FIG. 3

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	[mm]		[pixel]		[mm/pixel]	REMARKS
2D DIS	PLAY PAR	AMETE	RS			
D_W_h	WIDTH	D_x_h	HORIZONTAL NUMBER OF PIXELS	D_p_h	HORIZONTAL PIXEL PITCH	
D_W_v	HEIGHT	D_x_v	VERTICAL NUMBER OF PIXELS	D_p_v	VERTICAL PIXEL PITCH	
3D DIS	PLAY PAR	AMETE	RS			
3D_W_ h	WIDTH	3D_x_h	HORIZONTAL NUMBER OF PIXELS	3D_p_h	HORIZONTAL PIXEL PITCH	
3D_W_ v	HEIGHT		VERTICAL NUMBER OF PIXELS		PIXEL PITCH	
REFER	RENCE PRO	DJECTIO	ON PLANE PARA	METERS	3	
P_W_h	WIDTH	P_x_h	HORIZONTAL NUMBER OF PIXELS	P_p_h	HORIZONTAL PIXEL PITCH	REFERENCE PROJECTION PLANE
	HEIGHT	P_x_v	VERTICAL NUMBER OF PIXELS		VERTICAL PIXEL PITCH	REFERENCE PROJECTION PLANE
INDIVII	DUAL PRO	JECTIO	N PLANE PARAM	ETERS		
P_ray	HORIZONTAL INTERVAL					LIGHT RAY INTERVAL AT L1
S_W_h	WIDTH	S_x_h	HORIZONTAL NUMBER OF PIXELS	Sp_p_h	HORIZONTAL PIXEL PITCH	SHOT IMAGE HORIZONTAL
S_W_v	HEIGHT	S_x_v	VERTICAL NUMBER OF PIXELS	S_p_v	VERTICAL PIXEL PITCH	SHOT IMAGE VERTICAL
Shift_W		Shift_x		Shift_p		SHIFT IN HORIZONTAL COORDINATE BETWEEN INDIVIDUAL PROJECTION PLANES
Shift _all_W		Shift _all_x		Shift _all_p		SHIFT OF INDIVIDUAL PROJECTION PLANE AT OUTERMOST END
Overlap _W		Overlap _x		Overlap _p		OVERLAPPING HORIZONTAL WIDTH BETWEEN INDIVIDUAL PROJECTION PLANES

FIG. 4

ENLARG	EMENT AND RI	EDUCTIO	N OF MULTI-VIE	WPOINT IMAGE
Zoom_S		zoom_N		ZOOM (MAGNIFICATION)

FIG. 5

	[mm]		[pixel]		[mm/pixel]
2D DISPI	LAY PARAMETER	RS			
D_W_h	=D_p_h * D_x_h	D_x_h	=DEFAULT	D_p_h	=DEFAULT
D_W_v	=D_p_v * D_x_v	D_x_v	=DEFAULT	D_p_v	=DEFAULT
3D DISPI	LAY PARAMETER	RS			
3D_W_h	=D_W_h	3D_x_h	=D_x_h * 3/Np	3D_p_h	=3D_W_h/3D_x_h
3D_W_v	=D_W_v	3D_x_v	=DEFAULT	3D_p_v	=3D_W_v/3D_x_v
ENLARGE	MENT AND REDU	ICTION OF	MULTI-VIEWPOIN	T IMAGE	
zoom_S	=DEFAULT	zoom_N	=DEFAULT		
REFERE	NCE PROJECTIO	N PLANE	PARAMETERS		
P_W_h	=D_W_h * zoom_S	P_x_h	=3D_x_h * zoom_N	P_p_h	=P_W_h/P_x_h
P_W_v	=D_W_v * zoom_S	P_x_v	=3D_x_v * zoom_N	P_p_v	=P_W_v/P_x_v
INDIVIDU	JAL PROJECTION	N PLANE	PARAMETERS		
P_ray	$=(D_p_h/3)*L1/g$				
S_W_h	=Sp_p_h * S_x_h	S_x_h	=Shift_all_x+ Overlap_x	Sp_p_h	=P_p_v
S_W_v	=S_p_v * S_x_v	S_x_v	=ROUND(2 * (L1/ TAN(φ)+P_W_v/2) /P_p_v)	S_p_v	=P_p_v
Shift_W	=Shift_p * Shift_x	Shift_x	=ROUND(P_ray_/ P_p_v)	Shift_p	=P_p_v
Shift_all _W	=Shift_all_p * Shift _all_x	Shift_all _x	=Shift_x * (N_need -1)	Shift_all _p	=P_p_v
Overlap_ W	=Overlap_p * Overlap_x	Overlap_ x	=P_x_h * P_p_h/ P_p_v	Overlap_p	=P_p_v

FIG. 6

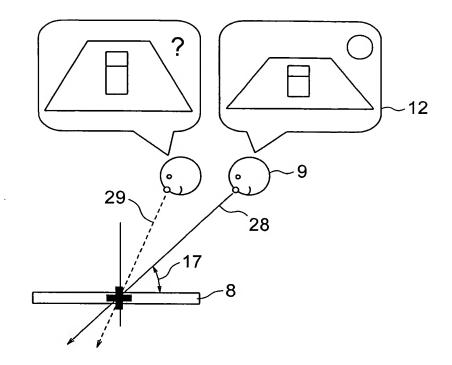


FIG. 7

$\phi$ [degree]	45	50	55	60	65
b/a	1	0.84	0.70	0.58	0.47

FIG. 8

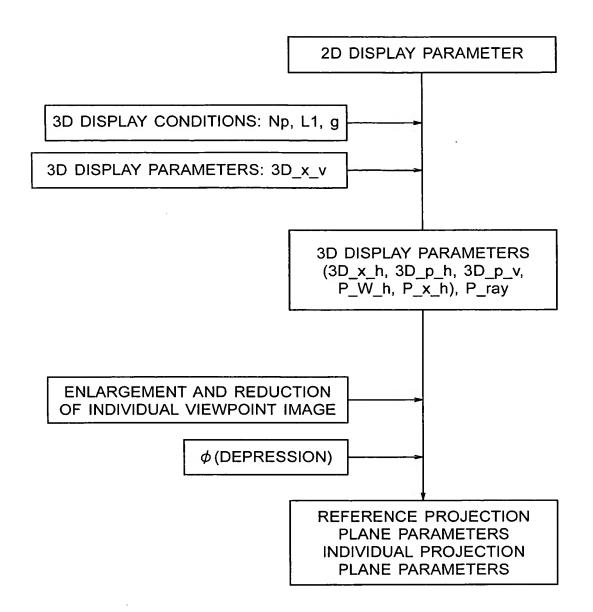


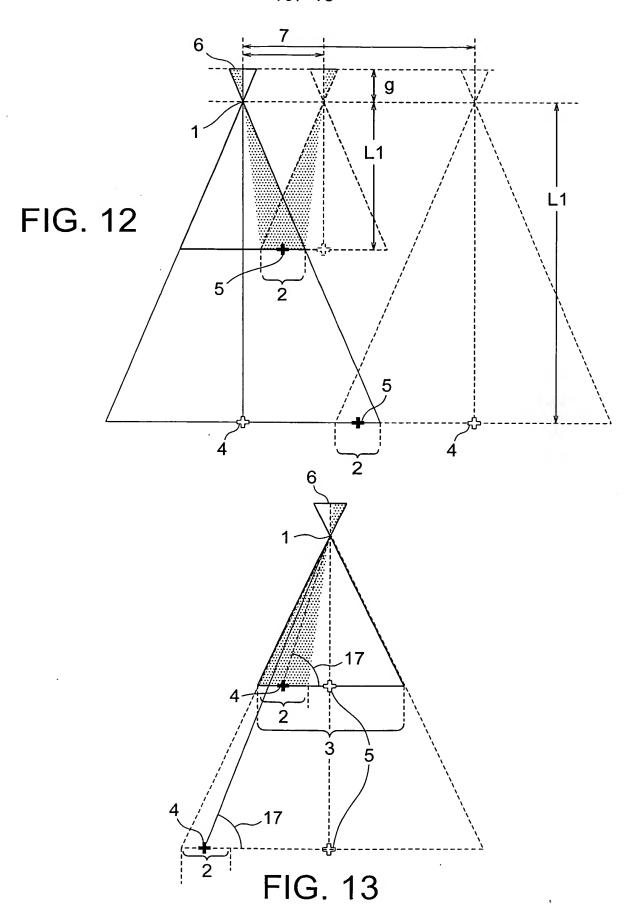
FIG. 9

	[mm]		[pixel]		[mm/pixel]	REMARKS
CAME	RA PARAME	TERS				
F_W_h	MIDTH	F_x_h	HORIZONTAL NUMBER OF PIXELS		HORIZONTAL PIXEL PITCH	FILM HORIZONTAL
F_W_v	HEIGHT	F_x_v	VERTICAL NUMBER OF PIXELS	F_p_v	VERTICAL PIXEL PITCH	FILM VERTICAL
F	FOCAL LENGTH					DISTANCE BETWEEN FILM AND LENS

FIG. 10

	[mm]		[pixel]		[mm/pixel]				
ENLARGE	MENT AND REDU	ICTION OF	MULTI-VIEWPOIN	T IMAGE					
zoom_S	=DEFAULT	zoom_N	=P_x_v/3D_x_v						
REFERE	REFERENCE PROJECTION PLANE PARAMETERS								
P_W_h	=P_p_h * P_x_h	P_x_h	=ROUND(P_x_v * 3D_W_h/3D_W_v)	P_p_h	=F_p_h * L1/f				
P_W_v	=3D_W_h * Zoom_ S	P_x_v	=ROUND(P_W_v/ P_p_v)	P_p_v	=F_p_v * L1/f				
INDIVIDU	JAL PROJECTION	PLANE	PARAMETERS						
P_ray	=(FD_p_h/3) * L 2/g								
S_W_h	=Sp_p_h * S_x_h	S_x_h	=F_x_h	Sp_p_h	=P_p_v				
S_W_v	=Fp_p_h * F_x_h	S_x_v	=F_x_v	S_p_v	=P_p_v				
Shift_W	=Shift_p * Shift_x	Shift_x	=ROUND(P_W_h/ P_p_v)	Shift_p	=P_p_v				
Shift_all _W	=Shift_all_p * Shift_all_x	Shift_all_x	=Shift_x * (N_all _result = 1)	Shift_all_p	=P_p_v				
Overlap_ W	=Overlap_p * Overlap_x	Overlap_ x	=S_x_h-Shift_all _x	Overlap_p	=P_p_v				
CAMERA	CAMERA PARAMETERS								
F_W_h	=F_W_v * F_x_h/ F_x_v	F_x_h	=DEFAULT	F_p_h	=F_W_h/F_x_h				
F_W_v	=DEFAULT	F_x_v	=DEFAULT	F_p_v	=F_W_v/F_x_v				
F	=DEFAULT								

FIG. 11



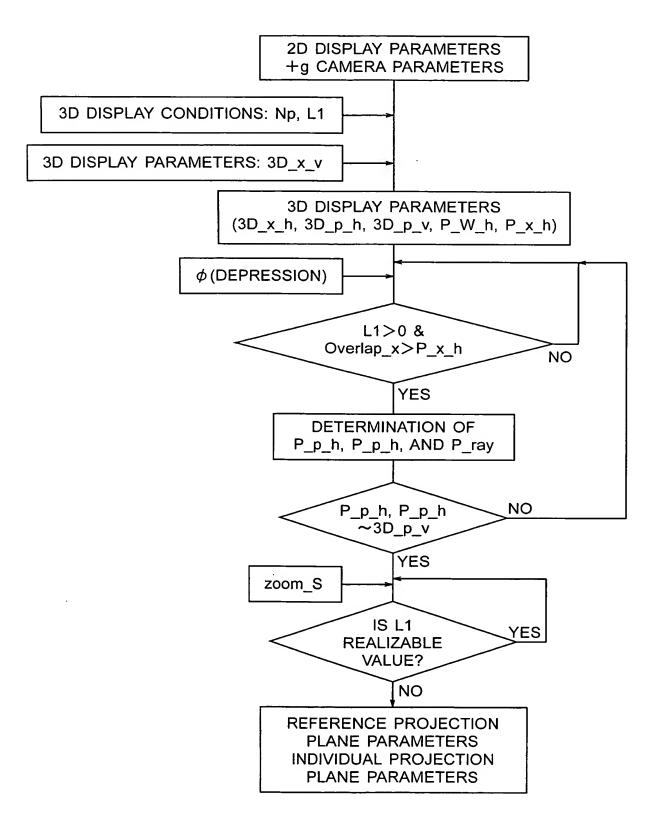


FIG. 14

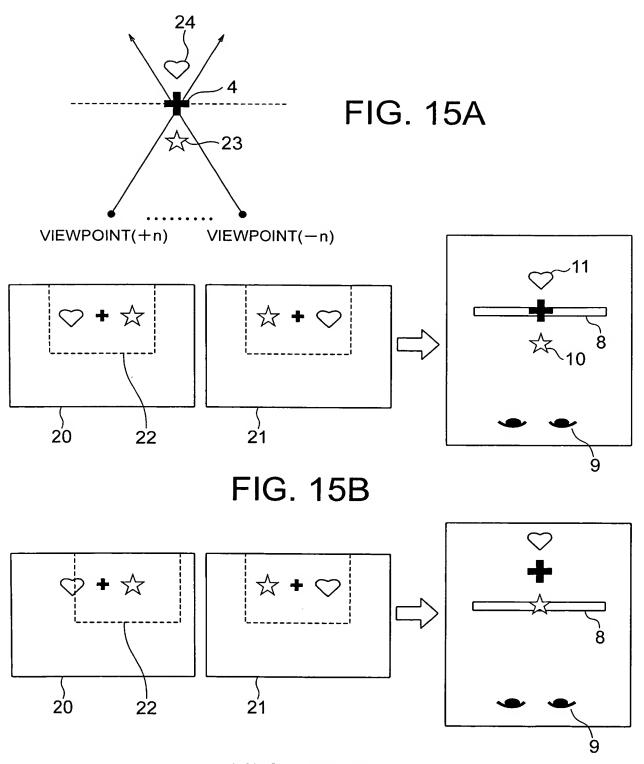


FIG. 15C

	[mm]		[pixel]		[mm/pixel]
2D DISPI	AY PARAMETER	RS			
D_W_h	331.2	D_x_h		D_p_h	0.1725
D_W_v	207	D_x_v	1200	D_p_v	0.1725
3D DISPI	LAY PARAMETER	RS			
3D_W_h		3D_x_h	320	3D_p_h	1.035
3D_W_v	207	3D_x_v	400	3D_p_v	0.5175
ENLARGE	MENT AND REDU	ICTION OF	INDIVIDUAL VIEW	POINT IMAG	SE .
zoom_S	1	zoom_N	1		
REFERE	NCE PROJECTIO	N PLANE	PARAMETERS		
P_W_h	331.2	P_x_h		P_p_h	1.035
P_W_v	207	P_x_v	400	P_p_v	0.5175
INDIVIDU	JAL PROJECTION	N PLANE	PARAMETERS		
P_ray	20.125				
S_W_h	1037.5875		2005	Sp_p_h	0.5175
S_W_v	1187.145		2294	S_p_v	0.5175
Shift_W	20.1825	Shift_x	39	Shift_p	0.5175
Shift_all _W	706.3875	. –	1365	Shift_all	0.5175
		_x		_p	
Overlap_	331.2	Overlap_	640	Overlap_p	0.5175
W		lx	<u> </u>		

FIG. 16

	[mm]		[pixel]		[mm/pixel]		
2D DISPL	AY PARAMETER	RS					
D_W_h	331.2	D_x_h		D_p_h	0.1725		
D_W_v	207	D_x_v	1200	D_p_v	0.1725		
3D DISPLAY PARAMETERS							
3D_W_h	331.2	3D_x_h	320	3D_p_h	1.0327577		
3D_W_v		3D_x_v		3D_p_v	0.5175		
ENLARGE	MENT AND REDU	ICTION OF	INDIVIDUAL VIEW	POINT IMAG	SE		
zoom_S	1	zoom_N	1.265				
REFERE	NCE PROJECTIO	N PLANE					
P_W_h	331.619712	P_x_h		P_p_h	0.4094071		
P_W_v	207	P_x_v	506	P_p_v	0.4094071		
INDIVIDU	JAL PROJECTION	N PLANE	PARAMETERS	<del>,</del>			
P_ray	26.4835187						
S_W_h	818.814104		2000	Sp_p_h	0.4094071		
S_W_v	1228.22116		3000	S_p_v	0.4094071		
Shift_W	26.6114584		65	Shift_p	0.4094071		
Shift_all _W	452.394792	Shift_all _x	1105	Shift_all _p	0.4094071		
Overlap_ W	366.419311	Overlap_ x	895	Overlap_p	0.4094071		
CAMERA	CAMERA PARAMETERS						
F_W_h		F_x_h		F_p_h	0.008		
F_W_v		F_x_v	3000	F_p_v	0.008		
F	18						

FIG. 17

	[mm]		[pixel]		[mm/pixel]		
2D DISPI	AY PARAMETER	RS					
D_W_h	331.2	D_x_h		D_p_h	0.1725		
D_W_v	207	D_x_v	1200	D_p_v	0.1725		
3D DISPI	LAY PARAMETER	RS					
3D_W_h	331.2	3D_x_h	320	3D_p_h	1.035		
3D_W_v	207	3D_x_v	400	3D_p_v	0.5175		
P_W_h	1.03795714	P_x_h	18.0514286				
ENLARGE	ENLARGEMENT AND REDUCTION OF INDIVIDUAL VIEWPOINT IMAGE						
zoom_S	1	zoom_N	1.015				
	NCE PROJECTIO		PARAMETERS				
P_W_h	331.023652	P_x_h		P_p_h	0.5092672		
P_W_v		P_x_v		P_p_v	0.5092672		
INDIVIDU	JAL PROJECTION	N PLANE	PARAMETERS				
P_ray	32.9432192						
S_W_h	1527.80147		3000	Sp_p_h	0.5092672		
S_W_v	1018.53431		2000	S_p_v	0.5092672		
Shift_W	33.1023652	Shift_x	65	Shift_p	0.5092672		
Shift_all _W	1158.58278	Shift_all _x	2275	Shift_all _p	0.5092672		
Overlap_ W	369.218689	Overlap_ x	725	Overlap_p	0.5092672		
CAMERA	CAMERA PARAMETERS						
F_W_h		F_x_h		F_p_h	0.008		
F_W_v		F_x_v	2000	F_p_v	0.008		
F	18						

FIG. 18